

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/09/2018 10:11 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125468	0	2.74	125455	2.70
Blue	F	SSC	125000	123645	-2	2.19	124273	2.17
Blue	E	FITC	15760	15296	-3	3.07	328	23.44
Blue	D	PE	25880	25200	-3	2.16	547	17.49
Blue	B	PerCP-Cy5-5	34075	33990	-1	4.35	1035	23.50
Blue	A	PE-Cy7	22776	22859	0	7.46	552	46.28
Red	C	APC	42488	41629	-3	2.69	1570	13.17
Red	A	APC-Cy7	24478	23749	-3	2.83	815	13.01
Violet	B	V450	6304	6151	-3	4.07	357	17.71
Violet	A	V500	26005	24687	-6	3.68	582	13.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20821	12.95	611	14	N/A	N/A	Pass
Blue	F	SSC	56518	1.57	580	25	N/A	N/A	Pass
Blue	E	FITC	57	79.55	564	8	0.0149	245	Pass
Blue	D	PE	113	60.40	558	9	0.1171	296	Pass
Blue	B	PerCP-Cy5-5	195	57.60	658	11	0.0069	76	Pass
Blue	A	PE-Cy7	109	112.15	711	14	0.0086	21	Pass
Red	C	APC	370	28.60	602	2	0.0210	218	Pass
Red	A	APC-Cy7	200	29.12	571	0	0.0048	1197	Pass
Violet	B	V450	62	75.31	494	5	0.0263	2502	Pass
Violet	A	V500	88	49.98	509	3	0.0126	1535	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.54	-30.96	0.99
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.24	13.60 - 20.40	N/A	N/A	30.79	31.35	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12069

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments